

Abstract

The invention relates to a slide bearing material comprising a metallic supporting layer and a metallic lead-free bearing layer consisting of densely sintered powder particles of tin bronze with bismuth additives. The aim of the invention is to create a lead-free slide bearing material with nevertheless good tribological properties and a high bearing capacity. To this end, the bearing metallic layer is formed from a sintering powder consisting of powder particles containing between 9.5 and 11 wt. % of tin and between 7 and 13 wt. % of bismuth and copper. The powder particles have a non-spherical form deviating from the regular spherical form but without edges and undercuts.